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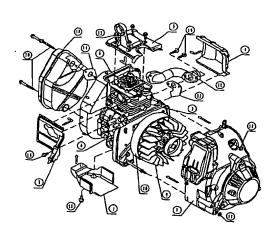
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(54) Title: A COOLING SYSTEM OF AN ENGINE FOR THE INSIDE OF A GENERATOR

(54) 发明名称: 一种发电机内部的发动机的冷却系统



(57) Abstract: The utility model relates to a cooling system of an engine for the inside of a generator, it belongs to the field of power apparatus. It mainly includes a cover for sucking cooling wind, a side cover of the engine housing, two side guiding plates provided in the upper portion of the engine and a cylinder head cover, two side main cooling breather chambers A, B are formed by the engine housing; a main cooling breather chamber C provided in the bottom of the engine is formed by a guiding plate provided in the bottom of the engine and the side cover of the engine housing; a double-chamber cooling apparatus of secondary cooling circulation chamber D is formed by a rear cover of the crankcase, the components as said above, a heat insulation chamber housing and a rear cover of the heat insulation chamber housing. The structure of the utility model is simply, compact and reasonable; although there are so many combination surfaces in the cooling structure, the structure is arranged reasonably to meet the demand for cooling the engine. It can ensure that the high-temperature regions of the engine are cooled in time, and therefore high efficiency for cooling the engine is achieved

(57) 摘要

本实用新型涉及一种发电机内部的发动机的冷却系统,属于动力装置技术领域。其主要采用吸冷风罩、发动机箱体侧盖、发动机上部左导风板、右导风板与发动机缸盖罩、发动机箱体构成发动机上部左右两个主冷却通风腔 A、B;发动机底部导风板与发动机箱体侧盖构成发动机底部主冷却通风腔 C;发动机曲轴箱后盖及上述部件与隔热腔箱体、隔热腔箱体后罩壳构成次冷却循环腔 D 的双腔冷却装置。本实用新型结构简单、紧凑、合理;冷却构造结合面较多,对发动机冷却要求却较为合理;能保证对发动机发热量大的地方进行及时冷却,做到了发动机的高效率冷却。